ABSTRACT

An apparatus for molding a metal material. The apparatus includes a vessel with portions defining a passageway through the vessel. An inlet is located toward one end and a member or agitation means is located within the passageway. A plurality of heaters are located a length of the vessel. The first of the heaters is located immediately downstream of the inlet and is a low frequency induction coil heater whereby the temperature gradient through the vessel's sidewall is minimized.